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**From:** Mark Larsen [mlarsen@anchorqea.com]  
**Sent:** 6/1/2019 4:02:10 AM  
**To:** Winiecki, Eric [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=45fa974e305b49cd8af513001a800543-Winiecki, Eric]; Fuentes, Rene [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3eb2a2e594934952b91ca7ade37262c5-Ruentes, Rene]; MacDonald, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=507c2f57e60741b2b137cdf441c1c731-MacDonald Jennifer]; Edmondson, Lucy [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=b4b8581bcd444dee9c784cf53201e90f-Edmondson, Lucy]; Dunbar, Bill [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=133b66d6ab1b42108751e37b28176ec3-Dunbar, Bill (William) D.]  
**CC:** Lori Terry [lori.terry@foster.com]; Brendan V. Monahan [Brendan.Monahan@stokeslaw.com]; Dan DeRuyter [jsexton@anchorqea.com]; **Ex. 6 Personal Privacy**; Nicole LaFranchise [nlafranchise@anchorqea.com]; Josh Sexton [jsexton@anchorqea.com]  
**Subject:** DOCKET NO SDWA-10-2013-0080 - Yakima Valley Dairies - Status Update and Extension Request - DeRuyter Digester and NDN Project  
**Attachments:** 2019-05-31\_DeRuyter\_DigesterNDN\_StatusUpdate\_ExtensionRequest.pdf

DOCKET NO. SDWA-10-2013-0080 / Yakima Valley Dairies

Eric:

This communication is provided on behalf of the Yakima Valley Dairies, including D & A Dairy, LLC (also known as D&A Dairy L.L.C.), George DeRuyter & Son Dairy, L.L.C., and George & Margaret, L.L.C.

Consistent with our discussions during yesterday's site visit, please find attached a status update and extension request for the DeRuyter digester and NDN project.

As described in the attached letter, the Dairy discovered that the existing digester heater was undersized, resulting in incomplete manure digestion and downstream problems with DAF operations. The Dairy has ordered a larger heating unit. In the mean time, digester and DAF operations have been returned to normal by reducing manure flows to the digester and providing for split-stream operations. This required time and capital investment by the Dairy.

At this time the digester and DAF are operating efficiently. The Dairy has emptied liquid manures from Lagoon 1, and is completing the removal of residual manure solids. NDN equipment has been staged for installation as soon as the lagoon solids have been removed. Following equipment installation, the lagoon will be refilled with effluent from the DAF and NDN operations will be initiated.

In preparation for NDN operation, we have initiated baseline testing of the DAF effluent. That testing will be continued on a weekly basis until NDN activation, and thereafter consistent with the EPA-approved QAPP.

EPA Letter 195 established a target date of June 1st, 2019 for activation of the NDN system. This was to be followed by six months of system demonstration and testing following the procedures in the QAPP. Based on the status of work remaining to be completed, we are requesting that the schedule for NDN activation and testing be amended 1 month as follows:

- NDN system fully operational: July 1st, 2019
- NDN system achieves and maintains 40% or greater removal of total nitrogen: January 1, 2020

Thank you for your consideration of this request. Please contact me directly if you have any questions or concerns.

It's been a pleasure working with you on this project.

**Mark Larsen**

Partner, Principal Scientist

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